

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-607-2 REV. D/D350-607-3 REV. E/  
D350-607-5 REV. A, AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS  
ICA-D350-607 REV. 8 OR LATER APPROVED REVISIONS

REF TCCA STC: SH94-14

REF FAA STC: SR00213NY

REF EASA STC: EASA.10016996

REF BRAZILIAN STC: 2007S03-03/-04/-05/-06

## 1.0 PURPOSE

This Dart Service Instruction (DSI) provides parts and instructions to add a ground handling wheel to the D350-607-441/-443/-541/-543/-741 Heli-Utility-Baskets. Adding the D350-607-311 Basket Ground Handling Wheel (GHW) Kit, will allow one person to transport the empty or fully loaded basket on the ground. The D350-607-311 Basket GHW Kit can be fastened to the fwd or the aft rib of the basket.

## 2.0 INSTALLATION OF D350-607-311 BASKET GHW KIT:

**NOTE:** It is acceptable to install shorter or longer bolts if required. It is also acceptable to add washers if necessary.

To install the D350-607-311 Basket Ground Handling Wheel (GHW) used on the D350-607-441/-443/-541/-543/-741 Heli-Utility-Baskets, use the following procedure:

- 2.1 If desired, remove the basket from the aircraft per Section 25.7/25.12 of ICA-D350-607.
- 2.2 Position D5676-1 Mounting Bracket on the bottom of the fwd/aft rib of the basket. It is acceptable to remove any of the mesh stands that interfere with holes and it is also acceptable to remove any bump of weld that causes interference as shown in Figure 1.
- 2.3 Position and install D5676-1/-3 Mounting Bracket/Plate and D5675-041 Wheel Assy at the fwd/aft rib of the basket base using the hardware per Figure 1.
- 2.4 If basket was removed from aircraft, re-install per Section 25.10/25.15 of ICA-D350-607.
- 2.5 Update the Aircraft Log Book to indicate installation of the D350-607-311 Basket GHW Kit and adjust Weight and Balance Record for the aircraft with the weight and balance data provided in Section 4.0 of this document.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE #02)

DATE: 18.08.08  
CERT. NO.: SH94-14  
ISSUE NO.: 7

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|            |             |   |              |
|------------|-------------|---|--------------|
| A          | NEW ISSUE   | RF  | 18.08.08     |
| REV.       | DESCRIPTION | BY  | DATE         |
| DESIGN     | RF          | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA  |              |
| DRAWN      | RF          |   |              |
| CHECKED    | VS          | DRAWING NO.   | REV. A       |
| MFG. APPR. | N/A         | DSI 9809  | SHEET 1 OF 4 |
| APPROVED   | VS          | TITLE   | SCALE        |
| DE APPR.   | DS          | BASKET GHW KIT  | NTS          |
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### 3.0 PARTS LIST

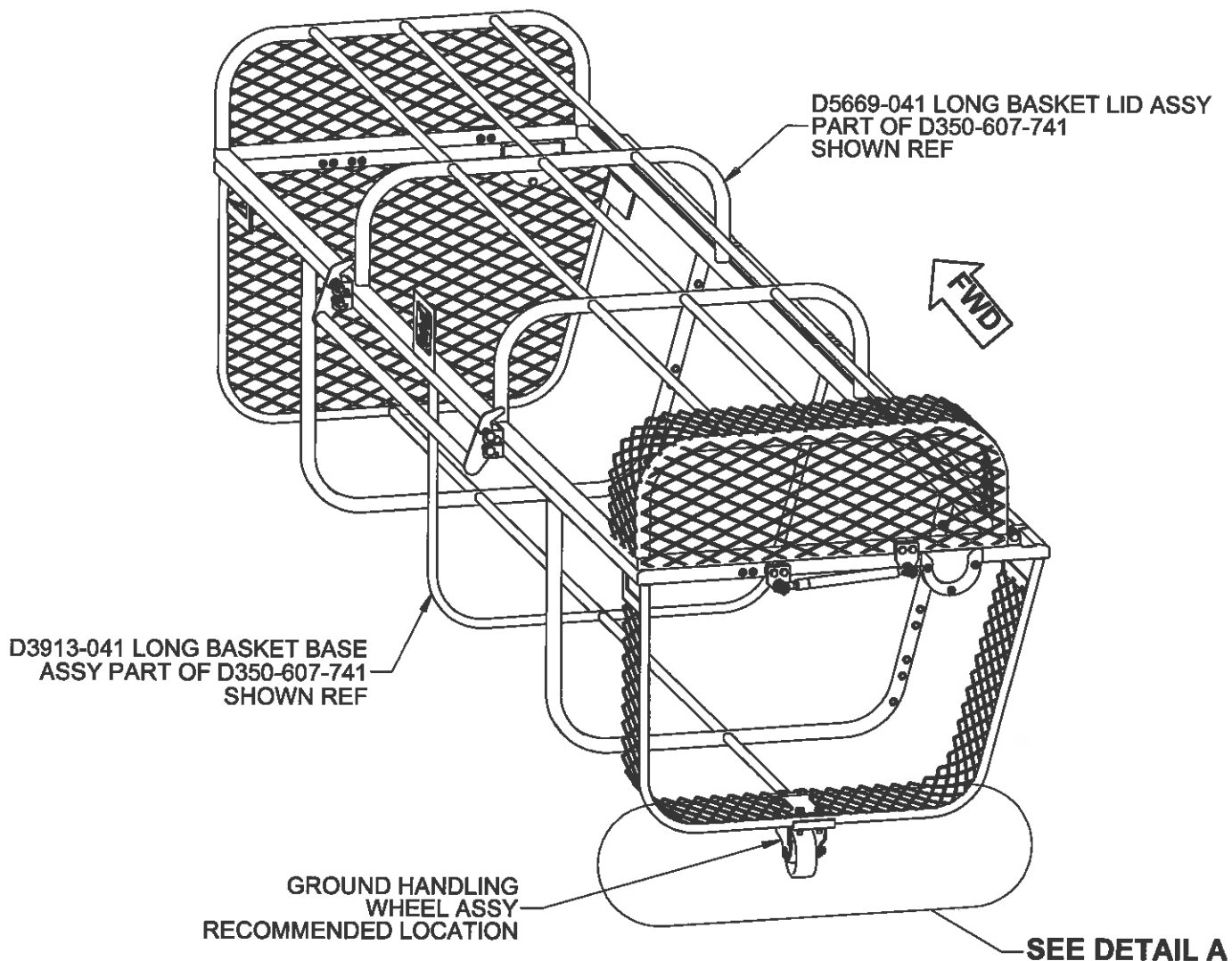
| QTY<br>-311 | PART NUMBER   | DESCRIPTION                  |
|-------------|---------------|------------------------------|
| X           | D350-607-311  | BASKET GHW KIT (LONG BASKET) |
| 1           | D5675-041     | WHEEL ASSEMBLY               |
| 1           | D5676-1       | MOUNTING BRACKET             |
| 1           | D5676-3       | MOUNTING PLATE               |
| 4           | AN4-12A       | BOLT                         |
| 4           | MS21042L4     | NUT                          |
| 8           | NAS1149F0432P | WASHER                       |

### 4.0 WEIGHT AND BALANCE:

| Installation   | Weight            | LATERAL                   |                              | LONGITUDINAL     |                       |
|--|-------------------|---------------------------|------------------------------|------------------|-----------------------|
|  |                   | Arm                       | Moment                       | Arm              | Moment                |
| D350-607-311<br>Basket GHW Kit (Long Basket)<br>at FWD end of basket | 1.6 lb<br>0.73 kg | +/- 53.8 in<br>+/- 1.37 m | +/- 86 in-lb<br>+/- 1.0 m-kg | 86 in<br>2.18 m  | 138 in-lb<br>1.6 m-kg |
| D350-607-311<br>Basket GHW Kit (Long Basket)<br>at AFT end of basket | 1.6 lb<br>0.73 kg | +/- 53.8 in<br>+/- 1.37 m | +/- 86 in-lb<br>+/- 1.0 m-kg | 182 in<br>4.62 m | 291 in-lb<br>3.4 m-kg |

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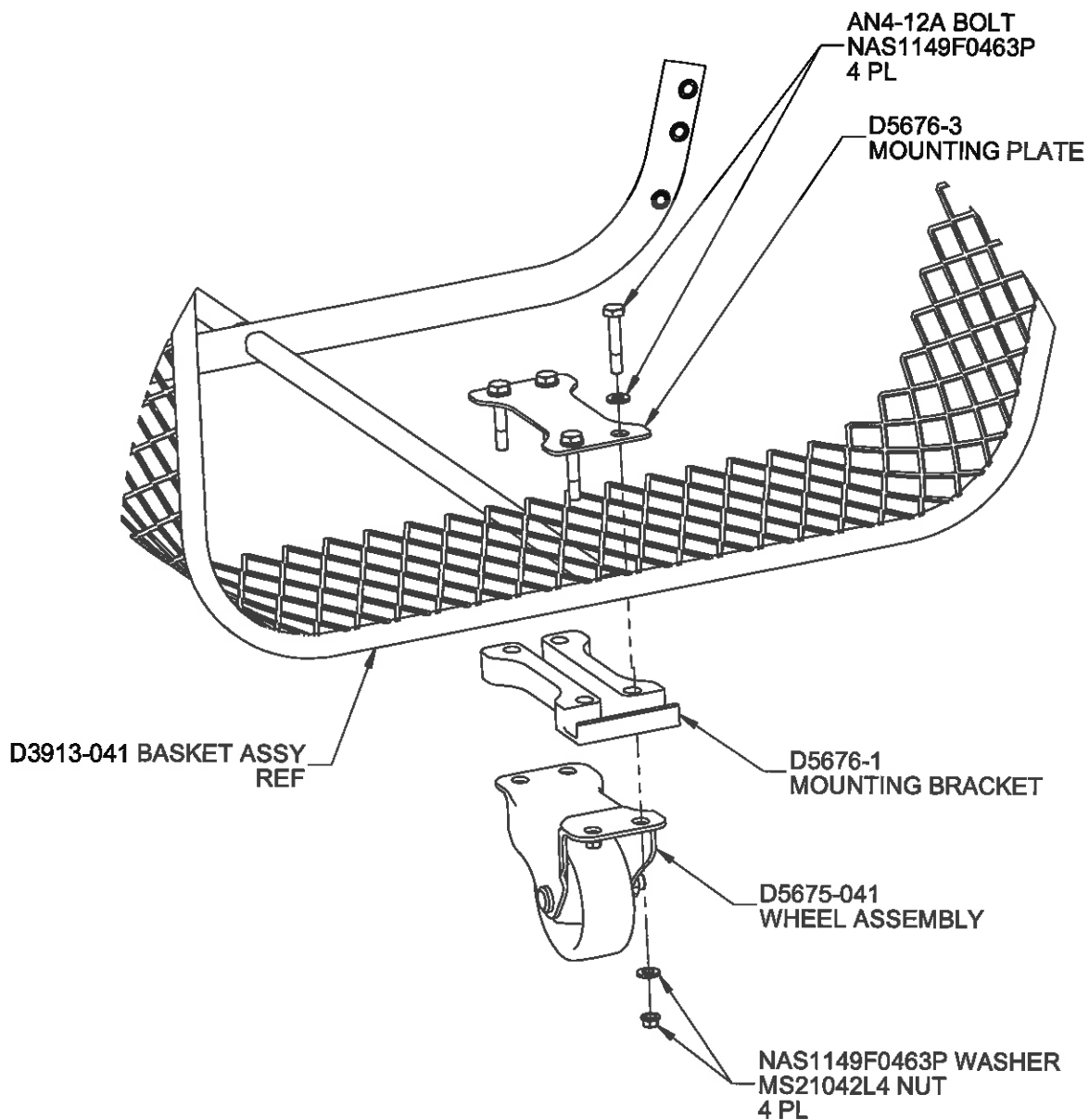
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| CHECKED    | VS       | DRAWING NO.<br><b>DSI 9809</b>  | REV. A       |
| MFG. APPR. | N/A      |   | SHEET 2 OF 4 |
| APPROVED   | VS       | TITLE<br><b>BASKET GHW KIT</b>  | SCALE        |
| DE APPR.   | DS-#     |   | NTS          |
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**FIGURE 1 - D350-607-311 BASKET GHW KIT INSTALLATION  
ON D5673-041 LONG BASKET ASSY**  
(EXPANDED METAL SHOWN PARTIALLY FOR CLARITY)

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| MFG. APPR. | N/A      |   | SHEET 3 OF 4 |
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### DETAIL A

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| MFG. APPR. | N/A      | <b>DSI 9809</b>  | SHEET 4 OF 4 |
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